

Diploma of Science (DPSC) - DipSci

QTAC code (Australian and New Zealand applicants): Toowoomba campus: 906271; External: 906275

Programs at UniSQ are regularly reviewed to ensure they remain professionally relevant, in order to enhance the graduate outcomes of our students. This program is currently being re-accredited and is, as a consequence, likely to undergo some changes. Full details will be available when it is approved. If you have any questions, please [contact us](#) directly.

| | On-campus * ^ # | Online + |
|---------------------------|----------------------------------------------------------------|----------------------------------------------------------------|
| Start: | Semester 1 (February) Semester 2 (July) | Semester 1 (February) Semester 2 (July) |
| Campus: | Toowoomba | - |
| Fees: | Commonwealth supported place Domestic full fee paying place | Commonwealth supported place Domestic full fee paying place |
| Standard duration: | 1 year full-time, 2 years part-time | |

Notes:

In 2023 the program follows the Semester calendar. The [Academic Calendar and Important Dates](#) webpage will allow you to view and download a copy of the important dates for the Semester calendar.

Footnotes

- * The Biology and Computing/IT majors cannot be completed full-time with a Semester 2 entry.
- ^ Please refer to the Program Structure for further information on mode of offer for each major.
- # The Wildlife Management major is available on campus in Toowoomba and externally, with highly recommended and mandatory residential schools held at UniSQ Toowoomba or off-site.
- + The Biology major is available on-campus and online with highly recommended on-campus residential schools.

Contact us

| Future Australian and New Zealand students | Current students |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au | Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au |

Program aims

This is a generalist program providing students with the necessary skills that are essential for successful study in a Bachelor's degree and the knowledge of fundamental concepts in a chosen science major. The program aims to provide an articulation pathway for students into the [BSCiorBSCP Bachelor of Science or Bachelor of Science \(Psychology\)](#).

Program objectives

On completion of this program, students should be able to:

- Display broad technical and theoretical knowledge with some depth of understanding associated with the underlying principles and concepts within a scientific context;
- Identify, analyse, synthesise and evaluate information gathered from a range of scientific sources to enable the development of problem solving skills;
- Display and apply a limited range of specialist cognitive, technical and practical skills relevant for paraprofessional work and further study in a field of science;
- Proficiently communicate knowledge within a scientific context to a diverse range of audiences, including professionals, paraprofessionals, clients and the wider community;

- Work autonomously displaying accountability, responsibility, cultural competency and ethical capacity for their own performance and actions within defined parameters.

Program Information Set

View UniSQ's admission criteria, student profiles and a summary of all offers made under [Course Admission Information Set](#) via the QTAC website.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Have achieved a minimum Australian Tertiary Admission Rank (ATAR) of **61.5**, or equivalent qualification.[^]
- English Language Proficiency requirements for Category 2.

Applicants are advised to also note the following:

- [Assumed knowledge](#) expectations: English and General Mathematics

All students are required to satisfy the applicable [English language requirements](#).

If students do not meet the English language requirements they may apply to study a University-approved [English language program](#). On successful completion of the English language program, students may be admitted to an award program.

[^] These are determined by the University for specific programs each Semester. The 2023 ATAR and tertiary entrance ranks are based on agreed QTAC schedules which assess formal study at Year 12 or [equivalent level](#), tertiary, preparatory, professional or vocational qualifications or work experience, as detailed in the QTAC Assessment of Qualifications Manual and QTAC Assessor Guidelines.

Adjustment factors may help you get into the program of your choice by increasing your entrance rank. The additional points don't apply to all applicants or all programs. Please read the information about UniSQ's [Adjustment Factors](#) carefully to find out what you may be eligible for.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a [student contribution amount](#), which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the [Course Fee Schedules](#).

Commonwealth Supported students may be eligible to defer their fees through a Government loan called [HECS-HELP](#).

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the [Course Fee Schedule](#)

Domestic full fee paying students may be eligible to defer their fees through a Government loan called [FEE-HELP](#) provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for [FEE-Help](#).

Program structure

The Diploma of Science consists of 8 units comprising 2 core units of Foundation Studies with either 4 units chosen from a specified major, with two additional elective units chosen from any level 1 or 2 course offered by the University of Southern Queensland, subject to Faculty approval, or 6 units if undertaking the Wildlife Management major.

| Major | Offering | | |
|--------------------------------|-----------------------------------|--------|------------------------------------------------------|
| | On-campus | Online | External |
| Biology | Toowoomba | | Highly recommended residential schools |
| Computing/IT | Toowoomba | Online | |
| Environment and Sustainability | Toowoomba | Online | |
| Mathematics | Toowoomba | Online | |
| Physical Sciences | | Online | |
| Wildlife Management | Toowoomba | | Mandatory and Highly Recommended residential schools |
| General Science | Depends on the 6 Approved courses | | |

Required time limits

Students have a maximum of 3 years to complete this program.

Core courses

Foundation Studies

The Foundation knowledge courses for every major in the program are listed in the table below. Students wishing to vary foundation studies courses must obtain Faculty approval.

| Course | Semester(s) Offered | Mode |
|-------------------------------------------------------|---------------------|--------------------------------|
| CMS1100 Communicating in the Sciences | 1,2 | ONC, ONL (Semester 2 ONL only) |
| SCI1001 Succeeding in Science | 1,2 | ONC, ONL |

Biology major

| Courses | Semester(s) Offered | Mode |
|--------------------------------------------------------|---------------------|----------|
| BIO1101 Biology 1 * | 1 | ONC, EXT |
| BIO2107 Cell and Molecular Biology 1 # | 1 | ONC, EXT |
| BIO2103 Biology 2 # | 2 | ONC, EXT |
| BIO2219 Genetics | 2 | ONC, ONL |

Footnotes

- * This offering has a highly recommended residential school for external students (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).
- # This offering has a highly recommended residential school for on-campus and external students (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

Biology major - recommended electives (Complete either the two recommended electives below or two (2) elective units chosen from any level 1 or 2 course offered by the University of Southern Queensland, subject to Program Director approval):

| Courses | Semester(s) Offered | Mode |
|---------------------------------------|---------------------|----------|
| CHE1110 Chemistry 1 * | 1 | ONC, EXT |
| CHE2120 Chemistry 2 * | 2 | ONC, EXT |

Footnotes

- * This offering has a highly recommended residential school for external students (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

Computing/IT major

| Courses | Semester(s) Offered | Mode |
|------------------------------------------------------------|---------------------|----------|
| MAT1101 Discrete Mathematics for Computing | 1 | ONC, ONL |
| CSC1401 Foundation Programming £ | 1,2,3 | ONC, ONL |
| CSC2406 Web Technology 1 | 2 | ONC, ONL |
| CIS1000 Digital Disruption £ | 1,2 | ONC, ONL |

Footnotes

- £ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Computing/IT major - recommended electives (Complete either the two recommended electives below or two (2) elective units chosen from any level 1 or 2 course offered by the University of Southern Queensland, subject to Program Director approval):

| Courses | Semester(s) Offered | Mode |
|------------------------------------------------|---------------------|----------|
| ELE1301 Computer Engineering | 1 | ONC, ONL |
| STA2100 Evaluating Information | 2 | ONC, ONL |

Environment and Sustainability major

| Courses | Semester(s) Offered | Mode |
|--------------------------------------------------------|---------------------|----------|
| REN1201 Environmental Studies | 1 | ONC, ONL |
| CLI1110 Weather and Climate | 1 | ONC, ONL |
| REN2200 Ecology for Sustainability | 1 | ONC, ONL |
| CLI2201 Climate Change and Variability | 2 | ONL |

Environment and Sustainability major - recommended electives (Complete either the two recommended electives below or two (2) elective units chosen from any level 1 or 2 course offered by the University of Southern Queensland, subject to Program Director approval):

| Courses | Semester(s) Offered | Mode |
|------------------------------------------------|---------------------|----------|
| STA2100 Evaluating Information | 2 | ONC, ONL |
| BIO1101 Biology 1 * | 1 | ONC, EXT |

Footnotes

* This offering has a highly recommended residential school for external students (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

General Science major

Any four (4) level 1 or 2 approved courses included in the [Bachelor of Science or Bachelor of Science \(Psychology\)](#) or Diploma of Science, plus any two (2) approved elective courses chosen from any level 1 or 2 course offered by the University of Southern Queensland, subject to pre-requisite requirements and Program Director approval.

Mathematics major

| Courses | Semester(s) Offered | Mode |
|-------------------------------------------------------------------------------------------------------|---------------------|----------|
| CSC1401 Foundation Programming £ | 1,2,3 | ONC, ONL |
| MAT1000 Mathematics Fundamentals * ORMAT1102 Algebra and Calculus 1 * | 1 | ONC, ONL |
| STA2100 Evaluating Information | 2 | ONC, ONL |
| MAT1100 Foundation Mathematics | 2 | ONC, ONL |

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

* Students who have completed Mathematics B (4, SA) or equivalent should include [MAT1102](#) in their program. All other students should include [MAT1000](#).

Mathematics major - recommended electives (Complete either the two recommended electives below or two (2) elective units chosen from any level 1 or 2 course offered by the University of Southern Queensland, subject to Program Director approval):

| Courses | Semester(s) Offered | Mode |
|------------------------------------------------------------|---------------------|----------|
| MAT1101 Discrete Mathematics for Computing | 1 | ONC, ONL |
| CSC2410 Computational Thinking with Python | 2 | ONC, ONL |

Physical Sciences major

Choose four courses from the following five approved courses:

| Courses | Semester(s) Offered | Mode |
|-----------------------------------------|---------------------|----------|
| PHY1101 Astronomy 1 | 1 | ONC, ONL |
| PHY1104 Physics 1 ^ | 1 | ONC, ONL |
| PHY1107 Astronomy 2 | 2 | ONC, ONL |
| PHY1911 Physics 2 ^ | 2 | ONC, ONL |
| PHY2206 Medical Physics | 2 | ONL |

Footnotes

[^] [PHY1104](#) and [PHY1911](#) can only be completed by students who have completed Mathematics B (4, SA) or equivalent. Students who have not completed Mathematics B (4, SA) or equivalent must complete [MAT1100](#) as one of the electives prior to enrolling in [PHY1104](#) and [PHY1911](#).
[PHY1104](#) and [PHY1911](#) have required mathematics co-requisites. Please refer to the course specification for further detail.

Physical Sciences major - recommended electives (Complete either the two recommended electives below or two (2) elective units chosen from any level 1 or 2 course offered by the University of Southern Queensland, subject to Program Director approval):

| Courses | Semester(s) Offered | Mode |
|-------------------------------------------------------------------|---------------------|----------|
| MAT1100 Foundation Mathematics [^] OR | 2 | ONC, ONL |
| MAT1102 Algebra and Calculus I | 1 | ONC, ONL |
| STA2100 Evaluating Information | 2 | ONC, ONL |

Footnotes

[^] [PHY1104](#) and [PHY1911](#) can only be completed by students who have completed Mathematics B (4, SA) or equivalent. Students who have not completed Mathematics B (4, SA) or equivalent must complete [MAT1100](#) as one of the electives prior to enrolling in [PHY1104](#) and [PHY1911](#).

Wildlife Management major

| Courses | Semester(s) Offered | Mode |
|-----------------------------------------------------------------------------|---------------------|-----------------------|
| WLF1201 Field Skills for Wildlife, Game and Pest Management | 2 | EXT [#] |
| WLF2101 Management of Wildlife | 1 | ONC, EXT [^] |
| WLF2201 Vertebrate Pests and Biosecurity | 2 | ONC, EXT [^] |
| AGR1101 Animal Health, Welfare and Behaviour | 1 | ONC, EXT [^] |
| BIO2103 Biology 2 | 2 | ONC, EXT [^] |
| MAT1000 Mathematics Fundamentals | 1 | ONC, ONL |

Footnotes

[#] Mandatory residential school

[^] Highly recommended residential school for on-campus and external students

Residential schools

The attendance requirement of residential schools within this degree is indicated by the following letters: R = Recommended; HR = Highly Recommended; M = Mandatory. To find out more about [residential schools](#), visit the [Residential School Schedule](#) to view specific dates for your degree, or visit the [Policy and Procedure Library](#).

Highly recommended residential school (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

Biology major:

- [BIO1101 Biology 1](#)
- [BIO2103 Biology 2](#)
- [BIO2107 Cell and Molecular Biology 1](#)

Wildlife Management major:

- [AGR1101 Animal Health, Welfare and Behaviour](#)
- [BIO2103 Biology 2](#)

- [WLF1201 Field Skills for Wildlife, Game and Pest Management](#)
- [WLF2101 Management of Wildlife](#)
- [WLF2201 Vertebrate Pests and Biosecurity](#)

Articulation

Upon successful completion of the Diploma of Science students have the opportunity to articulate directly into the [Bachelor of Science or Bachelor of Science \(Psychology\)](#).

Students articulating into the [BSCI or BSCP](#) may be given exemptions for eight courses completed in the Diploma of Science.

Credit

Exemptions/credit will be assessed based on the [UniSQ Credit and Exemption Procedure](#).

Recommended Enrolment Pattern - Biology - Full-time

| Course | Year of program and semester in which course is normally studied | | | | | | Residential school | Enrolment requirements |
|---------------------------------------|------------------------------------------------------------------|-----|----------------|-----|--------------|-----|--------------------|---------------------------------------------------------------------------------------------------------|
| | On-campus (ONC) | | External (EXT) | | Online (ONL) | | | |
| | Year | Sem | Year | Sem | Year | Sem | | |
| Year 1 | | | | | | | | |
| BIO1101 Biology 1 | 1 | 1 | 1 | 1 | | | HR | |
| BIO2107 Cell and Molecular Biology 1 | 1 | 1 | 1 | 1 | | | HR | Pre-requisite: CHE2120 |
| SCI1001 Succeeding in Science | 1 | 1 | | | 1 | 1 | | |
| Elective 1 | 1 | 1 | | | 1 | 1 | | |
| BIO2103 Biology 2 * | 1 | 2 | 1 | 2 | | | HR | |
| BIO2219 Genetics | 1 | 2 | | | 1 | 2 | | Pre-requisite: BIO1100 or BIO1101 or BIO1204 or AGR1101 |
| CMS1100 Communicating in the Sciences | | | | | 1 | 2 | | |
| Elective 2 | 1 | 2 | | | 1 | 2 | | |

Footnotes

* Highly recommended residential school for on-campus and external students

Recommended Enrolment Pattern - Biology - Part-time

| Course | Year of program and semester in which course is normally studied | | | | | | Residential school | Enrolment requirements |
|---------------------------------------|------------------------------------------------------------------|-----|----------------|-----|--------------|-----|--------------------|---------------------------------------------------------------------------------------------------------|
| | On-campus (ONC) | | External (EXT) | | Online (ONL) | | | |
| | Year | Sem | Year | Sem | Year | Sem | | |
| BIO1101 Biology 1 | 1 | 1 | 1 | 1 | | | HR | |
| SCI1001 Succeeding in Science | 1 | 1 | | | 1 | 1 | | |
| BIO2103 Biology 2 * | 1 | 2 | 1 | 2 | | | HR | |
| CMS1100 Communicating in the Sciences | | | | | 1 | 2 | | |
| BIO2107 Cell and Molecular Biology 1 | 2 | 1 | 2 | 1 | | | HR | Pre-requisite: CHE2120 |
| Elective 1 | 2 | 1 | | | 2 | 1 | | |
| BIO2219 Genetics | 2 | 2 | | | 2 | 2 | | Pre-requisite: BIO1100 or BIO1101 or BIO1204 or AGR1101 |
| Elective 2 | 2 | 2 | | | 2 | 2 | | |

Footnotes

* Highly recommended residential school for on-campus and external students

Recommended Enrolment Pattern - Computing/IT - Full-time

| Course | Year of program and semester in which course is normally studied | | | | | | Enrolment requirements |
|--------------------------------------------|------------------------------------------------------------------|-----|----------------|-----|--------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | On-campus (ONC) | | External (EXT) | | Online (ONL) | | |
| | Year | Sem | Year | Sem | Year | Sem | |
| CSC1401 Foundation Programming £ | 1 | 1 | | | 1 | 1 | |
| MAT1101 Discrete Mathematics for Computing | 1 | 1 | | | 1 | 1 | |
| SCI1001 Succeeding in Science | 1 | 1 | | | 1 | 1 | |
| Elective 1 | 1 | 1 | | | 1 | 1 | |
| CSC2406 Web Technology 1 | 1 | 2 | | | 1 | 2 | Pre-requisite: CSC1401 or Students must be enrolled in one of the following Programs UCCC or GDTI or GCEN or METC or MCOT or MCTE or MCOP or MPIT or MCTN or B SED |
| CMS1100 Communicating in the Sciences | | | | | 1 | 2 | |
| CIS1000 Digital Disruption £ | 1 | 2 | | | 1 | 2 | |
| Elective 2 | 1 | 2 | | | 1 | 2 | |

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Recommended Enrolment Pattern - Computing/IT - Part-time

| Course | Year of program and semester in which course is normally studied | | | | | | Enrolment requirements |
|---------------------------------------------|------------------------------------------------------------------|-----|----------------|-----|--------------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | On-campus (ONC) | | External (EXT) | | Online (ONL) | | |
| | Year | Sem | Year | Sem | Year | Sem | |
| CSC1401 Foundation Programming [£] | 1 | 1 | | | 1 | 1 | |
| MAT1101 Discrete Mathematics for Computing | 1 | 1 | | | 1 | 1 | |
| CIS1000 Digital Disruption [£] | 1 | 2 | | | 1 | 2 | |
| CMS1100 Communicating in the Sciences | | | | | 1 | 2 | |
| SCI1001 Succeeding in Science | 2 | 1 | | | 2 | 1 | |
| Elective 1 | 2 | 1 | | | 2 | 1 | |
| CSC2406 Web Technology 1 | 2 | 2 | | | 2 | 2 | Pre-requisite: CSC1401 or Students must be enrolled in one of the following Programs UCCC or GDTI or GCEN or METC or MCOT or MCTE or MCOP or MPIT or MCTN or B SED |
| Elective 2 | 2 | 2 | | | 2 | 2 | |

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Recommended Enrolment Pattern - Environment and Sustainability - Full-time

| Course | Year of program and semester in which course is normally studied | | | | | | Enrolment requirements |
|-------------------------------|------------------------------------------------------------------|-----|----------------|-----|--------------|-----|-----------------------------------------------------------------------------------------------------------------|
| | On-campus (ONC) | | External (EXT) | | Online (ONL) | | |
| | Year | Sem | Year | Sem | Year | Sem | |
| Year 1 | | | | | | | |
| REN1201 Environmental Studies | 1 | 1 | | | 1 | 1 | Enrolment is not permitted in REN1201 if REN8101 has been previously completed. |
| CLI1110 Weather and Climate | 1 | 1 | | | 1 | 1 | |
| SCI1001 Succeeding in Science | 1 | 1 | | | 1 | 1 | |

| Course | Year of program and semester in which course is normally studied | | | | | | Enrolment requirements |
|----------------------------------------|------------------------------------------------------------------|-----|----------------|-----|--------------|-----|---------------------------------------------------------------------------------|
| | On-campus (ONC) | | External (EXT) | | Online (ONL) | | |
| | Year | Sem | Year | Sem | Year | Sem | |
| REN2200 Ecology for Sustainability | 1 | 1 | | | 1 | 1 | Enrolment is not permitted in REN2200 if REN8202 has been previously completed. |
| CLI2201 Climate Change and Variability | | | | | 1 | 2 | |
| CMS1100 Communicating in the Sciences | | | | | 1 | 2 | |
| Elective 1 | 1 | 2 | | | 1 | 2 | |
| Elective 2 | 1 | 2 | | | 1 | 2 | |

Recommended Enrolment Pattern - Environment and Sustainability - Part-time

| Course | Year of program and semester in which course is normally studied | | | | | | Enrolment requirements |
|--------------------------------------------------------|------------------------------------------------------------------|-----|----------------|-----|--------------|-----|-----------------------------------------------------------------------------------------------------------------|
| | On-campus (ONC) | | External (EXT) | | Online (ONL) | | |
| | Year | Sem | Year | Sem | Year | Sem | |
| REN1201 Environmental Studies | 1 | 1 | | | 1 | 1 | Enrolment is not permitted in REN1201 if REN8101 has been previously completed. |
| SCI1001 Succeeding in Science | 1 | 1 | | | 1 | 1 | |
| CLI2201 Climate Change and Variability | | | | | 1 | 2 | |
| CMS1100 Communicating in the Sciences | | | | | 1 | 2 | |
| CLI1110 Weather and Climate | 2 | 1 | | | 2 | 1 | |
| REN2200 Ecology for Sustainability | 2 | 1 | | | 2 | 1 | Enrolment is not permitted in REN2200 if REN8202 has been previously completed. |
| Elective 1 | 2 | 2 | | | 2 | 2 | |
| Elective 2 | 2 | 2 | | | 2 | 2 | |

Recommended Enrolment Pattern - Mathematics - Full-time

| Course | Year of program and semester in which course is normally studied | | | | | | Enrolment requirements |
|------------------------------------------|------------------------------------------------------------------|-----|----------------|-----|--------------|-----|----------------------------------------------------------------------------------------------------------------------------|
| | On-campus (ONC) | | External (EXT) | | Online (ONL) | | |
| | Year | Sem | Year | Sem | Year | Sem | |
| Choose one of the following two courses: | | | | | | | |
| MAT1000 Mathematics Fundamentals * | 1 | 1 | | | 1 | 1 | |
| or | | | | | | | |
| MAT1102 Algebra and Calculus I * | 1 | 1 | | | 1 | 1 | |
| SCI1001 Succeeding in Science | 1 | 1 | | | 1 | 1 | |
| CSC1401 Foundation Programming £ | 1 | 1 | | | 1 | 1 | |
| Elective 1 | 1 | 1 | | | 1 | 1 | |
| MAT1100 Foundation Mathematics | 1 | 2 | | | 1 | 2 | Enrolment is not permitted in MAT1100 if ENM1500 or MAT2100 or MAT1102 or ENM1600 or ENM2600 has been previously completed |
| CMS1100 Communicating in the Sciences | | | | | 1 | 2 | |
| STA2100 Evaluating Information | 1 | 2 | | | 1 | 2 | Enrolment is not permitted in STA2100 if STA3100 has been previously completed. |
| Elective 2 | 1 | 2 | | | 1 | 2 | |

Footnotes

* Students who have completed Mathematics B (4, SA) or equivalent should include [MAT1102](#) in their program. All other students should include [MAT1000](#).

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Recommended Enrolment Pattern - Mathematics - Part-time

| Course | Year of program and semester in which course is normally studied | | | | | | Enrolment requirements |
|------------------------------------------|------------------------------------------------------------------|-----|----------------|-----|--------------|-----|----------------------------------------------------------------------------------------------------------------------------|
| | On-campus (ONC) | | External (EXT) | | Online (ONL) | | |
| | Year | Sem | Year | Sem | Year | Sem | |
| Choose one of the following two courses: | | | | | | | |
| MAT1000 Mathematics Fundamentals * | 1 | 1 | | | 1 | 1 | |
| or | | | | | | | |
| MAT1102 Algebra and Calculus I * | 1 | 1 | | | 1 | 1 | |
| CSC1401 Foundation Programming £ | 1 | 1 | | | 1 | 1 | |
| MAT1100 Foundation Mathematics | 1 | 2 | | | 1 | 2 | Enrolment is not permitted in MAT1100 if ENM1500 or MAT2100 or MAT1102 or ENM1600 or ENM2600 has been previously completed |
| CMS1100 Communicating in the Sciences | | | | | 1 | 2 | |
| SCI1001 Succeeding in Science | 2 | 1 | | | 2 | 1 | |
| Elective 1 | 2 | 1 | | | 2 | 1 | |
| STA2100 Evaluating Information | 2 | 2 | | | 2 | 2 | Enrolment is not permitted in STA2100 if STA3100 has been previously completed. |
| Elective 2 | 2 | 2 | | | 2 | 2 | |

Footnotes

* Students who have completed Mathematics B (4, SA) or equivalent should include [MAT1102](#) in their program. All other students should include [MAT1000](#).

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Recommended Enrolment Pattern - Physical Sciences - Full-time

| Course | Year of program and semester in which course is normally studied | | | | | | Enrolment requirements |
|---------------------------------------------------------------|------------------------------------------------------------------|-----|----------------|-----|--------------|-----|--------------------------------------------------------------------------------------------------------------------------------|
| | On-campus (ONC) | | External (EXT) | | Online (ONL) | | |
| | Year | Sem | Year | Sem | Year | Sem | |
| Year 1 | | | | | | | |
| SCI1001 Succeeding in Science | 1 | 1 | | | 1 | 1 | |
| CMS1100 Communicating in the Sciences | 1 | 1 | | | 1 | 1,2 | |
| Recommended Elective | | | | | | | |
| MAT1102 Algebra and Calculus I | 1 | 1 | | | 1 | 1 | |
| Choose four courses from the following five approved courses: | | | | | | | |
| PHY1101 Astronomy 1 | 1 | 1 | | | 1 | 1 | |
| PHY1104 Physics 1 ^ | 1 | 1 | | | 1 | 1 | Co-requisite: (MAT1102 or ENM2600) or S tudents must be enrolled in one of the follow ing Programs: MSCN or GDSI or GCSC |
| PHY1107 Astronomy 2 | 1 | 2 | | | 1 | 2 | |
| PHY1911 Physics 2 ^ | 1 | 2 | | | 1 | 2 | Co-requisite: (MAT2100 or ENM1600) or S tudents must be enrolled in one of the follow ing Programs: MSCN or GDSI or GCSC |
| PHY2206 Medical Physics | | | | | 1 | 2 | |
| Elective | 1 | 2 | | | 1 | 2 | |

Footnotes

^ [PHY1104](#) and [PHY1911](#) can only be completed by students who have completed Mathematics B (4, SA) or equivalent. Students who have not completed Mathematics B (4, SA) or equivalent must complete [MAT1000](#) as one of the electives prior to enrolling in [PHY1104](#) and [PHY1911](#). [PHY1104](#) and [PHY1911](#) have required mathematics co-requisites. Please refer to the course specification for further detail.

Recommended Enrolment Pattern - Physical Sciences - Part-time

| Course | Year of program and semester in which course is normally studied | | | | | | Enrolment requirements |
|---------------------------------------------------------------|------------------------------------------------------------------|-----|----------------|-----|--------------|-----|--------------------------------------------------------------------------------------------------------------------------------|
| | On-campus (ONC) | | External (EXT) | | Online (ONL) | | |
| | Year | Sem | Year | Sem | Year | Sem | |
| Year 1 | | | | | | | |
| SCI1001 Succeeding in Science | 1 | 1 | | | 1 | 1 | |
| CMS1100 Communicating in the Sciences | | | | | 2 | 2 | |
| Recommended Elective | | | | | | | |
| MAT1100 Foundation Mathematics | 1 | 2 | | | 1 | 2 | Enrolment is not permitted in MAT1100 if ENM1500 or MAT2100 or MAT1102 or ENM1600 or ENM2600 has been previously completed |
| Choose four courses from the following five approved courses: | | | | | | | |
| PHY1101 Astronomy 1 | 1 | 1 | | | 1 | 1 | |
| PHY1104 Physics 1 ^ | 2 | 1 | | | 2 | 1 | Co-requisite: (MAT1102 or ENM2600) or S tudents must be enrolled in one of the follow ing Programs: MSCN or GDSI or GCSC |
| PHY1107 Astronomy 2 | 1 | 2 | | | 1 | 2 | |
| PHY1911 Physics 2 ^ | 2 | 2 | | | 2 | 2 | Co-requisite: (MAT2100 or ENM1600) or S tudents must be enrolled in one of the follow ing Programs: MSCN or GDSI or GCSC |
| PHY2206 Medical Physics | | | | | 2 | 2 | |
| Elective | 2 | 1,2 | | | 2 | 1,2 | |

Footnotes

^ [PHY1104](#) and [PHY1911](#) can only be completed by students who have completed Mathematics B (4, SA) or equivalent. Students who have not completed Mathematics B (4, SA) or equivalent must complete [MAT1000](#) as one of the electives prior to enrolling in [PHY1104](#) and [PHY1911](#).
[PHY1104](#) and [PHY1911](#) have required mathematics co-requisites. Please refer to the course specification for further detail.

Recommended Enrolment Pattern - Wildlife Management - Full-time

| Course | Year of program and semester in which course is normally studied | | | | | | Residential school | Enrolment requirements |
|-------------------------------------------------------------|------------------------------------------------------------------|-----|----------------|-----|--------------|-----|--------------------|------------------------|
| | On-campus (ONC) | | External (EXT) | | Online (ONL) | | | |
| | Year | Sem | Year | Sem | Year | Sem | | |
| MAT1000 Mathematics Fundamentals | 1 | 1 | | | 1 | 1 | | |
| WLF2101 Management of Wildlife * | 1 | 1 | 1 | 1 | | | HR | |
| SCI1001 Succeeding in Science | 1 | 1 | | | 1 | 1 | | |
| AGR1101 Animal Health, Welfare and Behaviour * | 1 | 1 | 1 | 1 | | | HR | |
| WLF1201 Field Skills for Wildlife, Game and Pest Management | | | 1 | 2 | | | M | |
| WLF2201 Vertebrate Pests and Biosecurity * | 1 | 2 | 1 | 2 | | | HR | |
| CMS1100 Communicating in the Sciences | | | | | 1 | 1,2 | | |
| BIO2103 Biology 2 * | 1 | 2 | 1 | 2 | | | HR | |

Footnotes

* Highly recommended residential school for on-campus and external students

Recommended Enrolment Pattern - Wildlife Management - Part-time

| Course | Year of program and semester in which course is normally studied | | | | | | Residential school | Enrolment requirements |
|-----------------------------------------------------------------------------|------------------------------------------------------------------|-----|----------------|-----|--------------|-----|--------------------|------------------------|
| | On-campus (ONC) | | External (EXT) | | Online (ONL) | | | |
| | Year | Sem | Year | Sem | Year | Sem | | |
| WLF2101 Management of Wildlife * | 1 | 1 | 1 | 1 | | | HR | |
| SCI1001 Succeeding in Science | 1 | 1 | | | 1 | 1 | | |
| MAT1000 Mathematics Fundamentals | 1 | 1 | | | 1 | 1 | | |
| WLF1201 Field Skills for Wildlife, Game and Pest Management | | | 1 | 2 | | | M | |
| AGR1101 Animal Health, Welfare and Behaviour * | 2 | 1 | 2 | 1 | | | HR | |
| CMS1100 Communicating in the Sciences | | | | | 2 | 1,2 | | |
| WLF2201 Vertebrate Pests and Biosecurity * | 2 | 2 | 2 | 2 | | | HR | |
| BIO2103 Biology 2 * | 2 | 2 | 2 | 2 | | | HR | |

Footnotes

* Highly recommended residential school for on-campus and external students